

MGT7012YR-W20 Protechnic 12VDC 0.43A 70x70x20mm Axial Fan Datasheet



Brand: Protechnic

SKU: 1045863927733

Category: Axial & Centrifugal Fans

Price: **\$21.20**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mgt7012yr-w20-protechnic-12vdc-0-43a-70x70x20mm-axial-fan>

Product Description

Protechnic MGT7012YR-W20 is a 70 x 70 x 20 mm high-performance axial fan operating at 12 VDC with a 0.43 A current rating. It features a dual ball bearing system and a 4-wire interface supporting PWM speed control and tachometer feedback. The housing and impeller are constructed from UL 94V-0 rated thermoplastic PBT. The internal motor utilizes a brushless DC design with integrated polarity protection and auto-restart functionality.

MGT7012YR-W20 Specifications

Model: MGT7012YR-W20

Brand: Protechnic Electric

Category: DC Axial Fan

Dimensions: 70 x 70 x 20 mm

Rated Voltage: 12 VDC

Operating Voltage: 10.2 to 13.8 VDC

Rated Current: 0.43 A

Input Power: 5.16 W

Rated Speed: 4800 RPM

Maximum Airflow: 38.5 CFM

Static Pressure: 6.2 mmH₂O

Noise Level: 42.5 dB(A)

Bearing Type: Dual Ball Bearing

Interface: 4-wire (PWM, Tachometer)

Material: PBT Plastic (UL 94V-0)

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70,000 hours at 40 °C

Weight: 75 g

MGT7012YR-W20 Applications

Primary applications include integration into server chassis enclosures, industrial power supply units, and telecommunications rack cooling systems. Deployed within CNC controller cabinets and high-density network switch thermal management modules.

Supplemental Images

